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1908
for Mr. Russell

FORTY-SIXTH ANNUAL REPORT
OF THE
MECHANICS' INSTITUTE

SAN FRANCISCO

CALIFORNIA

1901

Mechanics' Institute LIBRARY AND READING ROOM

31 POST STREET, SAN FRANCISCO

85,000 VOLUMES.

From three hundred to six hundred volumes added monthly.

Daily list of additions is posted in the circulation department.

New Books of general interest or special merit are added as soon as published, and duplicated in accordance with the demand.

Members' requests for books not already in the Library receive careful consideration.

The Reference Department is especially strong in mechanical and engineering works, including complete sets of the principal American and Foreign scientific periodicals. It contains, also, the United States and the British Patent Office Reports, complete.

The Reading Room list of periodicals embraces the title of 500 newspapers, magazines, reviews and journals.

Classes in Mechanical and Free-hand Drawing, each two evenings a week.

The Mechanics' Institute Bulletin, containing lists of new books received, book reviews, etc., published every month.

A Music Department has recently been added to the Library, consisting of a collection of vocal and instrumental sheet music, scores of standard operas, etc., which are circulated as books.

HOURS OF THE LIBRARY.

Library	9 a. m. to 10 p. m.
" (Sundays)	10 a. m. to 5 p. m.
Reading and Chess Rooms	8 a. m. to 10 p. m.
" " " " (Sundays)	9 a. m. to 10 p. m.

TERMS OF MEMBERSHIP.

Entrance Fee	\$ 1 00
Quarterly Dues	1 50
Life Membership	50 00

Rooms Open for Inspection Day and Evening.

FORTY-SIXTH ANNUAL REPORT

OF THE

MECHANICS' INSTITUTE

FOR THE

Year Ending February 28, 1901

SAN FRANCISCO, CAL.

1901

*Presidents of the Mechanics' Institute From Its
Organization.*

1855 —BENJAMIN HEYWOOD.	1865 —CHARLES M. PLUM.
1855 —JOHN SIME.	1866 —H. J. BOOTH.
1865 —R. MATHESON.	1867 —GEORGE K. GLUYAS.
1857-58—JOHN SIME.	1868-77—A. S. HALLIDIE.
1859 —GEORGE COFRAN.	1878-79—IRVING M. SCOTT.
1860 —THOMAS TENNENT.	1880-88—P. B. CORNWALL.
1861 —JOHN P. BUCKLEY.	1889-91—DAVID KERR.
1862 —B. H. FREEMAN.	1892 —IRWIN C. STUMP.
1863-64—JOSEPH BRITTON.	1893-95—A. S. HALLIDIE.
1896-1900—ERNEST A. DENICKE.	

OFFICERS.

Board of Trustees.

ERNST A. DENICKE	President
RODNEY KENDRICK	Vice-President
GEORGE BEANSTON	Recording Secretary
WALTER N. BRUNT	Corresponding Secretary
JAMES K. COSGRAVE,	P. J. HEALY,
SAMUEL C. IRVING,	JOHN McLAREN,
L. R. MEAD,	ROBERT W. NEAL,
CHARLES M. PLUM,	RUDOLPH J. TAUSSIG,
GEORGE H. WALLIS,	HORACE WILSON.
JOSEPH M. CUMMING	Secretary

FIRST NATIONAL BANK, Treasurer.

Standing Committees.

Finance	KENDRICK, NEAL, TAUSSIG.
Buildings and Repairs	McLAREN, WILSON, MEAD.
Library	IRVING, TAUSSIG, BEANSTON.
Lectures and Classes	WILSON, COSGRAVE, NEAL.
Printing and Advertising	BRUNT, BEANSTON, COSGRAVE.
Pavilion	PLUM, WALLIS, MEAD.
Folsom St. Lot	WALLIS, McLAREN, MEAD.
Management	TAUSSIG, WILSON, PLUM, HEALY, NEAL.
Exhibits	COSGRAVE, BEANSTON, HEALY.
Machinery	MEAD, WALLIS, PLUM.
Art	NEAL, HEALY, BRUNT.
Music	HEALY, McLAREN, NEAL.
Tickets and Admissions	BEANSTON, WILSON, BRUNT.
Special Committee on Institute Properties	IRVING, PLUM, HEALY, TAUSSIG, WALLIS.

The President is ex-officio, a member of all Committees.

LIBRARY.

31 Post Street.

FREDERICK J. TEGGART Librarian
JOHN H. WOOD Assistant Librarian

Assistants.

R. D. COLQUHOUN. CLARENCE BADGER,
W. H. WOOLCOCK. MISS M. F. WILLIAMS.
MISS S. HUNTINGTON. CHESTER BLABON.
H. C. ATHERTON.

Janitors.

F. E. HARRIS. A. H. WINSLOW.

VICE PRESIDENT'S REPORT.

To the Members of the Mechanics' Institute:

Owing to the extended absence of our President, Mr. Denicke, from this country, and his consequent resignation of the office of trustee, it devolves upon me to present to you a summary of the affairs of the Institute for the year ending February 28th, 1901.

FINANCES.

An examination of the books makes it evident that the last twelve months have added nothing to the assets of the Institute, but on the contrary, show an increase of its liabilities.

It is, however, some gratification to know that the addition of seven thousand dollars to the credit of our bills payable account is not the result of lack of revenue sufficient for the ordinary demands of the library, but is caused entirely by the unrelenting calls for interest on our mortgage indebtedness.

Confronted by the loss of 570 members, and, compared with last year, a shrinkage of \$2,568 in the receipts for fees and dues, we have yet been able to meet all obligations from our revenues, except these demands for interest, besides expending for books, binding and periodicals, nearly two thousand dollars more than was devoted to the same purpose in 1899.

The detailed financial report of the Secretary, presented to you to-night, shows that the Institute received during the

year.....\$42,770.96 from all sources
and expended in the same period. 42,328.71

Indicating a balance of.....\$442.25
to which is to be added the money
on hand at the beginning of the
year, viz.....596.92

Leaving in Bank at this time the
sum of.....\$1,039.17

These receipts were derived from the following sources:

Dues, fees and fines.....\$19,624.15
Donation, classes, etc.....1,574.20
Bills payable.....7,000 00
Rents.....14,572.61

\$42,770 96

and the disbursements were devoted to the following purposes:

Books, Binding and Periodicals.....\$ 7,640 11
Expense.....1,538 98
Interest.....7,210.50
Taxes.....5,981.68
Salaries.....11,193.26
Insurance.....1,174.00
Repairs and improvements.....1,830.19
Lighting.....2,052 63
Sundry.....3,707 36

\$42,328 71

There have been added to the Library during the year
3,993 books, and its shelves now contain a total of 85,791
volumes.

FOLSOM ST. LOT.

The improvements on the Folsom St. Lot have been
completed during the year and it is now expected that suffi-
cient revenue will come from this property to pay all repairs,

taxes and a portion, at least, of the interest accruing on its
cost.

Application has been made by the management of the
football teams of the two Universities for a renewal of the
lease for the season of 1901, and it is probable that this
renewal will be granted.

THE LICK FUND.

The condition of this fund at present appears as follows:

Balance March 1st, 1900.....\$3,121.30
Interest added February 28, 1901.....193.45
\$3,314.75

Purchase of books charged to fund during
year ending Feb. 28, 1901.....692.66

Balance to credit of fund.....\$2,622 09

LEGAL MATTERS.

The suit of J. Seidl & Co. for damages for an alleged
infringement of privileges at the last Fair, which was pending
last year, was decided adversely to the Institute.

An appeal from the decision has been taken and we hope
for a final victory.

The year just completed has brought no great or important
change in the affairs of the Institute. Apparently the same
condition confronts us with which we were brought face to
face at the beginning of the year. The same problems are
now testing the powers of your Trustees to solve that were
trying their skill twelve months ago.

The question is still before us—what shall be done to
bring the Institute to that state of prosperity which will
enable it to accomplish the purposes for which its organizers
labored, to achieve which its pioneers, a goodly number of
whom are yet with us, contributed so lavishly of their time,
their energies and their money.

Solutions have been offered, but as yet none, in the estimation of your Trustees, was found sufficiently practicable to command their unqualified or earnest support.

Thus far the only plans suggested which promised any satisfactory results were: First, to sell the Folsom St. Lot, and second, to improve the Pavilion block by placing stores and tenements on the Larkin St. and Hayes St. fronts.

The manifestly large expenditure of money necessary to carry into effect the second plan, combined with the uncertainty of profit from this additional investment, deterred your executive officers from seriously entertaining the project.

The first plan seemed the more feasible one, and in the early part of last year the Folsom St. Lot was placed on the market, resulting in an offer of \$90,000.00 for it.

With the cost of this property and the accumulated interest on the purchase price in plain view, few of the Trustees had the courage to advocate the acceptance of this proposal, and the prospective purchaser not being able or willing to increase his bid to a fair valuation of the property, negotiations were abandoned.

Happily, the improved condition in the realty market, especially in the section of the City South of Market St., brings no regret for these barren negotiations.

The ratification of the China Basin lease to the Santa Fe Railway Co., if the Assembly follows the example of the Senate, and the improvements this Company will necessarily make in the Southern portion of the City, must advance the value of the property in all the adjacent territory, and the Folsom St. Lot is not too remote to share in the enhanced values which must follow the completion of the work this Company has in contemplation.

While it is improbable that we could ever realize for this property the money it has cost, in principal and interest, yet the time seems not far distant when we may secure enough from its sale to relieve us of the burden of debt its purchase

placed upon us. When that time comes, and it may come quickly, the opportunity must not be allowed to escape.

The plan of putting stores and tenements in the Pavilion, unless entered into on a large and expensive scale, could not, in my estimation, be made a profitable one. It would involve the expenditure of a large sum of money from which returns would be uncertain, with no increase in the selling value of the property to compensate for the original outlay for these improvements.

Since the last annual report, efforts have been made to lease this block and negotiations to that effect have prevailed for some months.

If the lease is consummated on the favorable terms proposed, the rental will give the Institute a steady income, adding to our resources a sum sufficient to enable us to relieve the Library from the drain now upon its revenue, and restoring to its patrons the benefits of all receipts for fees and dues.

The subject of increased accommodation to facilitate the work of the Library, and to promote its prosperity by materially adding to the freedom and comfort of its patrons, has been a theme prominent in the annual addresses of your presiding officers for a dozen years past. None of the importance of this subject has yet been lost. It has had the constant and earnest consideration of your Trustees in their deliberations, and while some of these officers believe that the present building, with sufficient alteration and improvement, can be made adequate for all immediate demands, I am of the opinion that the building cannot be made adequate by any method of alteration short of practical reconstruction.

While its location could hardly be bettered the lot is not spacious enough to accommodate a building of capacity sufficient for library and income purposes.

It appears to be the sentiment of a majority of the members that a more commodious home for our books should soon be provided—a modern building, designed for, and fully adapted to this use, and large enough to accommodate, at

present, and in the future, the great and growing library now the object of our solicitous care.

When it becomes possible for us to erect such a structure the location of the site for it will be of paramount importance, and if additional space could not be had adjoining this building, another lot not far distant, and every way suitable, should be secured.

CONSTITUTION.

From time to time inconsistencies have become apparent in the Constitution, and have received the attention necessary to correct these incongruities.

Article VII. Section I. should be amended so as to clearly define the qualifications of Trustees, and should also be made to harmonize with Article IX. Section 2.

As these two sections now read, by Section 2 of Article IX., a voter is required to be a member for six months previous to an election, while in Section I. of Article VII., where such provision should appear, no provision whatever is made for the membership of a candidate for the office of Trustee.

In closing this report and retiring from office, I ask to be allowed to express the pleasure I have derived from the six years of service as Trustee, I have been able to give the Institute. The ties of friendship I have formed during this service I sincerely hope will continue unbroken while life remains.

My one regret is that frequently I have not been able to devote my entire time to the assistance of my brother Trustees in the service of the Institute.

RODNEY KENDRICK,
Vice-President.

March 9th, 1901.

SECRETARY'S REPORT.

San Francisco, March 5, 1901.

Board of Trustees of the Mechanics' Institute—

Gentlemen: I submit herewith financial statement for year ending February 28, 1901:

March 1, 1900, Cash on hand..... \$596.92

Library—

Dues	\$17,934.00
Entrance fees.....	605.00
Life memberships.....	200.00
Books paid for (226)...	55 95
Fines (1,695).....	290.60
Extra books (5,386)...	538.60
Classes	121.50
Library bulletin.....	89.35
Donations.....	227.45
Library Bldg. rents.....	3,900.00
Cancelled check.....	5.00
Sundry receipts.....	239.80
	<hr/> \$24,207.25

Bills payable..... 7,000 00

Pavilion—

Rents.....	\$ 4,736.00
Hayes St. rents.....	4,149.35
Gas	547.90
Mantels.....	39.90
Lighting.....	100.00
Damage.....	68.65
Sundry receipts.....	109.65
Water	25.00
	<hr/> \$ 9,776.45

Folsom St. Lot..... 1,787.26 \$42,770.96

\$43,367.88

Library— EXPENDITURES.

Books	\$ 3,718.32
Books Lick Fund.....	692.66
Binding.....	1,438.55
Periodicals.....	1,790.58
Classes.....	540.00
Expense.....	1,538.98
Fuel.....	118.28
Furniture.....	479.78
Insurance.....	440.50
Lectures, printing.....	\$52.25
Labor.....	21.00
Lectures and illustrating.....	135.00
	208.25
Library Bulletin.....	422.15
Lighting.....	1,275.78
Music.....	46.41
Printing and stationery.....	758.30
Repairs.....	318.80
Salaries.....	8,485.26
Taxes.....	1,567.85
Water.....	248.95

————— \$24,089.40

Pavilion—

Salaries.....	\$ 908.00
Labor.....	159.90
Repairs.....	138.10
Glazing.....	20.85
Hardware.....	8.20
Gas and electricity.....	776.85
Mantels.....	74.65
Lighting.....	106.00
Taxes.....	3,601.70

Insurance.....	683.50
Water.....	89.35
License.....	94.00
Telephone.....	31.10
Sundry.....	109.40
Hayes St. repairs.....	357.50
Hayes St. water.....	92.45
	————— \$ 7,251.55

Folsom St. Lot—

Interest.....	\$ 6,000.00
Insurance.....	50.00
Taxes.....	812.13
Wages.....	40.00
Repairs and improve- ments.....	1,015.79
Sundry.....	59.34
	————— \$ 7,977.26

General Accounts—

Interest on loan from Bank.....	\$ 1,210.50
Salaries.....	1,800.00
March 1, 1901. Cash on hand.....	\$42,328.71
	1,039.17
	————— \$43,367.88

SUMMARY.

Library—	Receipts.	Expenditures.
Receipts.....	\$24,207.25	
Expenditures.....	24,089.40	\$117.85
Pavilion—		
Receipts.....	9,776.45	
Expenditures.....	7,251.55	2,524.90

Folsom St.—		Receipts. Expenditures.	
Receipts	1,787.26		
Expenditures	7,977.26		
			\$6,190.00
Salaries, Institute account			1,800.00
Interest to Bank			1,210.50
Bills payable	7,000.000		
Increase in Cash for year.			442.25
	\$9,642.75	\$9,642.75	

Respectfully submitted,

JOSEPH M. CUMMING,
Secretary.

EXPERT'S REPORT.

San Francisco, March 6, 1901.

Board of Trustees of the Mechanics' Institute—

Gentlemen: I have carefully examined the books and accounts of the Institute for the six months, from September 1st to February 28th, and find them correct, except the bank balance is in excess of the Secretary \$9.20, caused by an over deposit.

I have compared the Librarian's accounts with the Secretary's and checked all entries from the journal and cash book with the ledger, and verified all footings. All vouchers for the six months are properly approved and receipted and are now on file in the Secretary's office.

I enclose trial balance of the ledger, February 28, 1901.

Respectfully,

P. VAN PELT,
Auditor.

LIBRARIAN'S ANNUAL REPORT, 1900-1901.

San Francisco, March 5, 1901.

To the President and Board of Trustees—

Gentlemen: I have the honor to present the forty-sixth annual report of the work and business of the Library for the year ending February 28, 1901.

MEMBERSHIP.

Number reported February 28, 1900.....	4,377
New members, subscription.....	605
New members, life.....	4
Reinstated.....	3 612
	4,989
Withdrawn.....	1,182
Membership February 28th, 1901.....	3,807

The membership is divided as follows: Honorary members, 11; Life members, 183; Subscription members, 3,613.

BOOKS AND PERIODICALS.

The accessions of books for the year have been 5,360 volumes, classified as below:

Bibliography.....	154	Periodicals (bound)....	570
Philosophy.....	45	Theology.....	50
Sociology.....	498	Philology.....	26
Natural Sciences.....	244	Useful Arts.....	546
Fine Arts.....	172	Poetry and Drama.....	98
Fiction.....	2,257	Literature, Essays, etc..	203
Geography & Description	124	Biography.....	180
History.....	193		

These were assigned to:

Reference Department.....	1,510
Circulation.....	3,850

There were acquired by:

Purchase.....	4,157
Gift.....	639
Binding.....	527
Exchange.....	37

In addition, 7 pamphlets were purchased, and 840 presented; and 16 maps were presented and 8 purchased.

The following table shows the numerical strength of the Library:

No. of volumes reported February 28, 1900.....	81,198
Accessions, Feb. 28, 1900, to Feb. 28, 1901.....	5,360
Lost and paid for.....	226
Duplicate Government documents ret'd.....	700
Exchanged.....	41
Sent to State Prisons.....	103
Worn out and destroyed.....	213
Missing, unaccounted for.....	84 1,367

Net increase..... 3,993

Total, as per count, February 28th, 1901... 85,191

In addition to the 616 new books, periodicals and pamphlets bound, there were 1,671 old books rebound.

There are 586 titles on our subscription list, 465 American and 121 Foreign publications being represented. Of this number, 234 were presented.

GIFTS.

The gifts to the Library were 639 volumes, 840 unbound volumes and pamphlets and 16 maps.

From the Pacific Philatelic Society, the Library has received 80 volumes and 5,500 pamphlets, which are not included in our statistics.

CIRCULATION.

The Library was open 303 days during the year; 130,569 volumes were issued for home use, a daily average of 431. A table of classes follows:

Periodicals	3,690	Philosophy.....	695
Theology.....	353	Sociology.....	499
Philology.....	152	Natural Sciences.....	540
Useful Arts.....	1,551	Fine Arts.....	1,324
Poetry and Drama....	1,187	Fiction.....	113,504
Literature and Essays	1,157	Miscellany.....	1,974
Travels	1,413	Biography	1,163
History	1,367		

LECTURES.

The following lectures have been delivered during the year:

March 17, 1900, "Electricity in Its Relation to California Industries," by Prof. C. L. Cory.

March 31, 1900, "A Walk Through Athens," (illustrated) by Prof. Walter Miller.

April 7, 1900, "Modern Library Buildings," (illustrated) by Chas. S. Greene.

Respectfully submitted,

FREDERICK J. TEGGART,
Librarian.

APPENDIX I—SUMMARY OF STATISTICS—1891-1901.

YEAR ENDING.....	RECEIPTS.			EXPENDITURES.				Pavilion	Folsom Street.....	Fairs	Accessions, vols.....	Number of volumes.	Circulation	Membership
	Library.....	Rents.....	Total	Books	Periodic's & Binding	Salaries.....	Total							
1901.....	\$20,307 25	\$3,900 00	\$24,207 25	\$4,410 98	\$3,229 13	\$8,485 26	\$24,089 40	\$ 117 85 †	— \$ 6,190 00	.....	5,360	85,191	130,569	3,807
1900.....	22,727 85	3,900 00	26,627 85	4,099 40	1,597 71	8,814 50	22,892 39	3,735 46 —	— 845 58	— \$ 7,636 15	4,123	81,898	157,624	4,377
1899.....	23,604 45	3,900 00	27,504 45	3,667 43	4,025 11	8,699 00	22,946 61	4,557 84 †	— 5,844 62	.....	3,366	78,391	173,425	4,295
1898.....	25,532 20	3,900 00	29,432 20	3,641 22	2,000 20	8,952 05	21,454 34	7,977 86 —	— 343 87	5,022 73	3,653	76,595	186,189	4,385
1897.....	24,855 70	3,900 00	28,755 70	3,565 50	2,677 01	8,554 35	23,114 41	5,641 29 †	— 8,649 54 †	8,195 46	3,431	73,645	176,971	4,493
1896.....	25,495 70	3,900 00	29,395 70	3,446 06	2,341 41	8,000 70	23,645 40	5,750 30 †	— 1,941 65	10,184 01	3,475	70,818	185,875	4,709
1895.....	24,564 01	4,425 00	28,989 01	3,714 11	3,547 35	9,154 85	*25,129 03	3,859 98 †	— 4,372 43	.....	3,733	68,363	153,330	4,465
1894.....	25,936 40	7,950 00	33,885 40	5,197 65	4,009 90	10,734 65	27,001 29	6,885 11 †	— 5,613 96	.....	5,086	66,462	160,992	4,371
1893.....	28,275 55	8,100 00	36,375 55	5,097 42	2,946 48	10,059 50	25,334 47	11,041 08 †	— 2,344 78	2,884 09	5,321	62,444	152,709	5,541
1892.....	24,999 62	7,850 00	32,849 62	4,506 41	3,981 92	9,712 50	26,541 95	6,307 67 —	— 1,597 17	17,732 60	4,017	57,934	139,090	4,130
1891.....	24,263 85	7,525 00	31,788 85	4,720 13	4,265 27	8,883 00	25,285 34	6,593 51 —	— 126 00	23,847 23	4,147	54,982	135,972	4,076

* (\$14,911.25 was expended for repairs to library building.

† Not included in total of \$25,129.03.

— Excess.

— Deficiency.

ANNUAL MEETING.

The annual meeting of the members of the Mechanics' Institute was held at the Mechanics' Institute Library Building Saturday evening, March 9th, 1901.

The meeting was called to order by Vice-President Kendrick, the annual reports of the officers was read and after the transaction of other business, the following Trustees elected at the annual election February 26th, 1901, were installed in office, viz: William A. Beatty, Alpheus Bull, Geo. F. Day, Robert W. Neal, James G. Spaulding, Otto von Geldern, Luther Wagoner.

ORGANIZATION OF THE BOARD OF TRUSTEES.

Immediately after adjournment of the annual meeting, the Board of Trustees met and elected the following officers:

President—Samuel C. Irving.

Vice-President—Rudolph J. Taussig.

Recording Secretary—James K. Cosgrave.

Corresponding Secretary—George H. Wallis.

Treasurer—First National Bank.

MECHANICS' INSTITUTE

SAN FRANCISCO, CAL.

DRAWING CLASSES 1901

ORDER OF CLASSES

DRAWING FROM THE FLAT AND CASTS
PERSPECTIVE AND ORNAMENTAL DRAWING
MONDAYS AND WEDNESDAYS

MACHINE DRAWING AND DESCRIPTIVE GEOMETRY
TUESDAYS AND THURSDAYS

CLASS HOURS, 7:30 P. M. TO 9:30 P. M. AT THE
LIBRARY BUILDING, 31 POST ST.

A copy of the rules, conditions of entrance, and all information can be obtained from the Librarian, 31 Post Street.

Committee on Lectures and Classes	{	OTTO VON GELDERN JAMES K. COSGRAVE GEORGE D. CLARK
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